

Working together to shape Atlanta's future



Georgia Tech President G. Wayne Clough
Presentation to Atlanta Mayor Shirley Franklin and Cabinet
March 14, 2005



Agenda



- Background information on Georgia Tech
- Georgia Tech's community involvement
- Alignment of Goals: Atlanta and Georgia Tech
- Georgia Tech's Campus Master Plan
- Discussion of areas of mutual concern between the City of Atlanta and Georgia Tech



Georgia Tech: Recognized for excellence

- Among top 10 public universities in the nation.
- Among top 5 engineering schools in the nation.
- Nationally ranked for computing, architecture, management, and selected science and liberal arts programs.
- SAT score among nation's top 5 public universities.

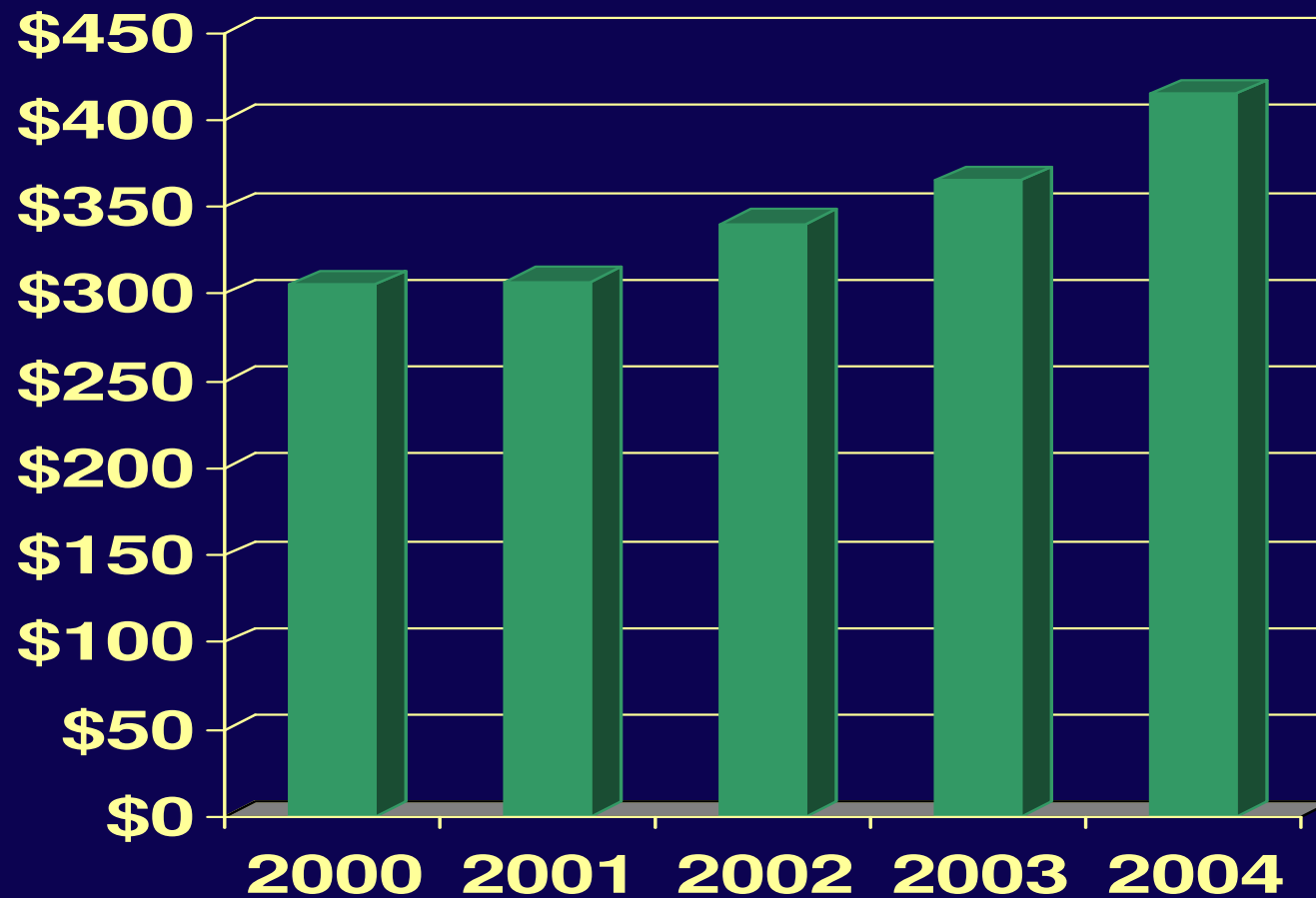
Georgia Tech's economic impact



- 23,000 on campus for the working day.
- 7,000 faculty and staff employed.
- 7,600 students living on campus.
- Approximately \$1 billion budget.
- Since 1980's have incubated 130 start-up companies, which in 2003 had:
 - ▷ \$1.75 billion in revenues.
 - ▷ \$227 million in capital activity.
 - ▷ 4,300 jobs.

Annual research expenditures

(in millions)



Expenditures doubled in past decade.

Sustainable
technology



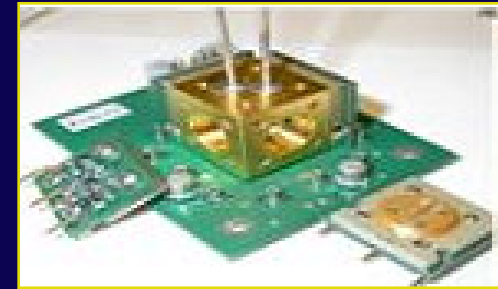
Research thrusts



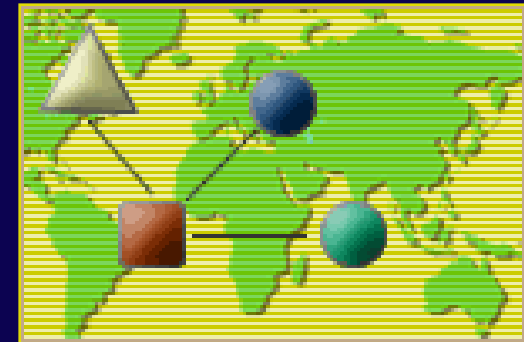
Nanotechnology



Biotechnology/
nanomedicine



Microelectronics/
telecommunications



Logistics



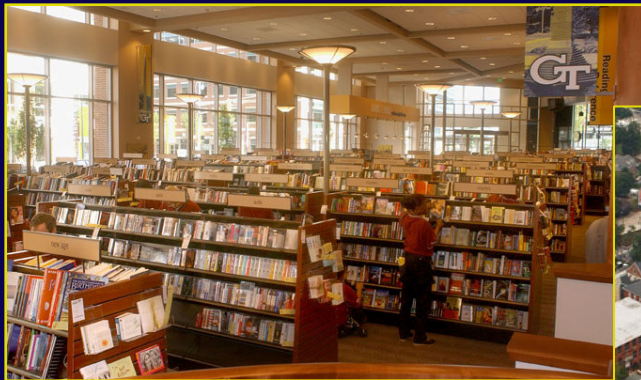
Photonics/optics



Manufacturing

Tech contributes to community life

- NCAA Division I-A sports.
- Ferst Center for the Arts.
- Hosting athletic competitions, community events.
- Midtown's largest bookstore.



GT community outreach: examples

- Atlanta Public Schools:
 - ▷ All Kids Count in Atlanta: 80 students tutor
 - ▷ AP support for APS teachers, students
- Partner with Centennial Place School:
 - ▷ Technical support
 - ▷ Use of campus facilities
 - ▷ Tutoring students
- Westside (English Ave, Vine City, Herndon Homes):
 - ▷ Recruit corporate sponsors
 - ▷ Community job fair (June 2005)
 - ▷ Student volunteers for community
- April 1: GT to win A+ Award in team category from Atlanta Partners for Education of the Metro Atlanta Chamber of Commerce.



Collaborating with our neighbors

- GT is a founding member of Midtown Alliance.
- GT collaborates with Home Park Neighborhood.
 - ▷ Joint childcare center
 - ▷ Home Park Master Plan
- GT representatives participate in:
 - Home Park Civic Association
 - English Avenue Neighborhood Assn
 - Marietta Street Advisory Committee
 - Midtown Development Review Com
 - Northwest Community Alliance
- GT part of Upper West Side Livable Centers Initiative and Northside Drive Transportation Study.



NPU - E

NPU - L

Midtown Alliance

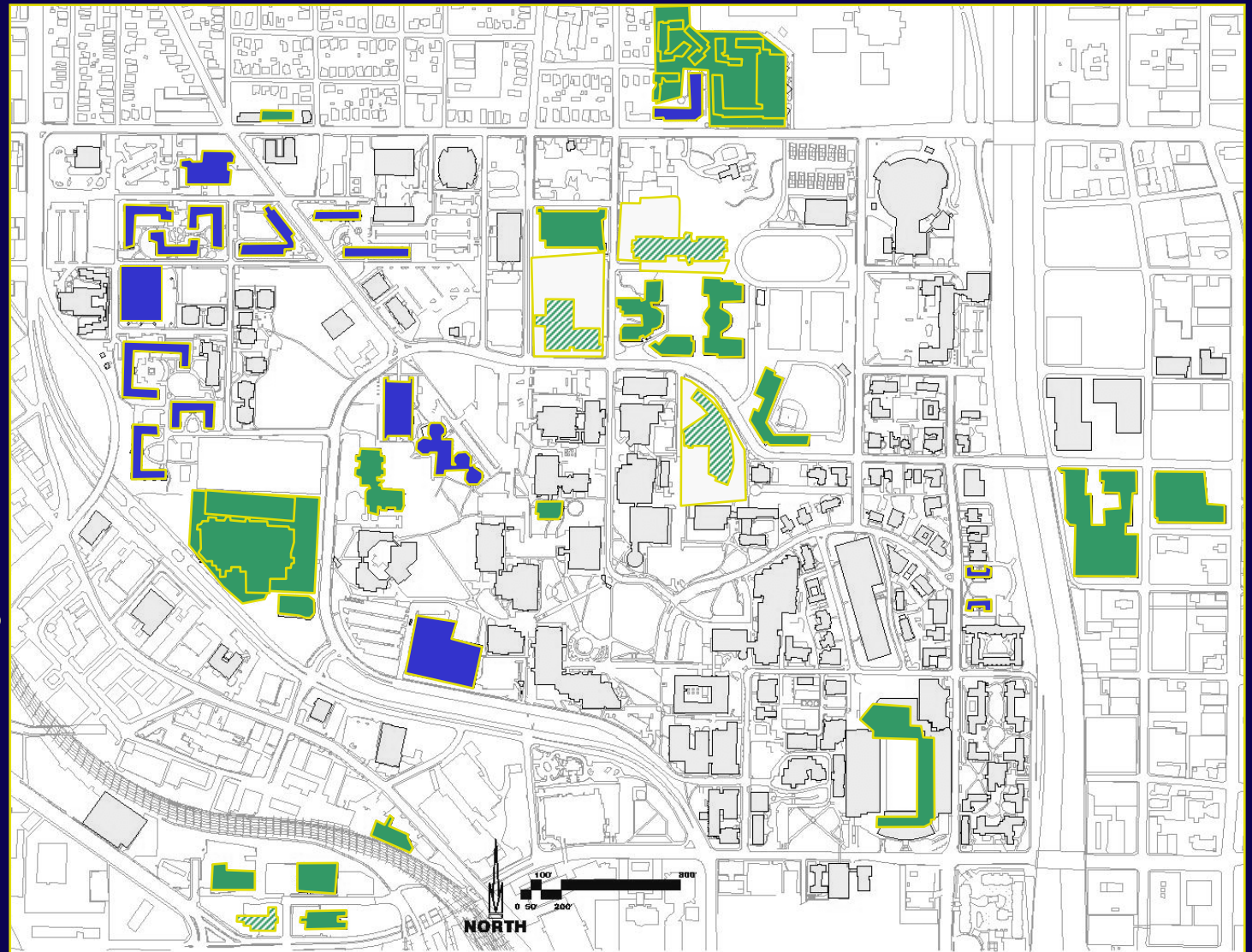
Building a quality, sustainable campus

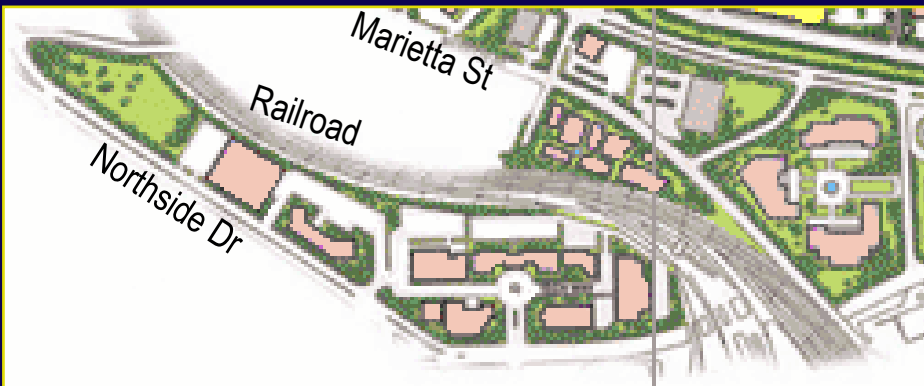
3.5 million gross sq ft of
new, renovated space.



Recent construction

- 1992-96
Olympic era
construction
- 1996-
2005
- In process





North Avenue Research Area

➤ Rehabs an area of crack houses, abandoned buildings along the railroad tracks.

➤ Includes:

Aerospace Combustion Lab
Advanced Wood Products Lab
Undersea Research Program
Structural Engineering Lab
Food Processing Technology Building

Technology Square

- Gives Atlanta a visible technology nexus.
- Built on vacant lots, abandoned property.
- Models sustainability.
- Invigorates Midtown's western side:
 - ▷ Midtown's biggest book store
 - ▷ Shops and cafes
 - ▷ Triggered 4,500 new housing units



Driving business growth at Technology Square

- Georgia Tech business programs, services:
 - ▷ Economic Development & Technology Ventures
 - ▷ College of Management
 - ▷ Advanced Technology Development Center (ATDC)
 - ▷ Global Learning & Conference Center
 - ▷ Georgia Tech Hotel & Conference Center
- GCATT
- State Department of Economic Development
- State Quick Start Program
- Georgia Power Company – Economic Development Unit
- Georgia Economic Developers Association
- Georgia Electric Membership Corporation



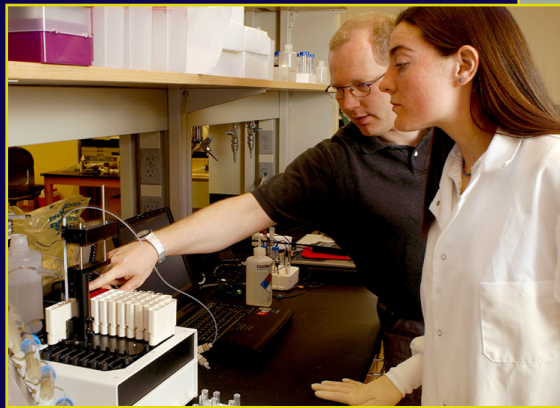
City of Atlanta, Georgia Tech: Shared aspirations

- Economic opportunity:
 - ▷ Education
 - ▷ Workforce development
 - ▷ Job creation
- Quality of life:
 - ▷ Culture, recreation
 - ▷ Public safety
 - ▷ Green space
- Infrastructure:
 - ▷ Water-sewer
 - ▷ Transportation



Georgia Tech vision and mission

Georgia Tech will define the technological research university of the 21st century and educate the leaders of a technologically driven world.

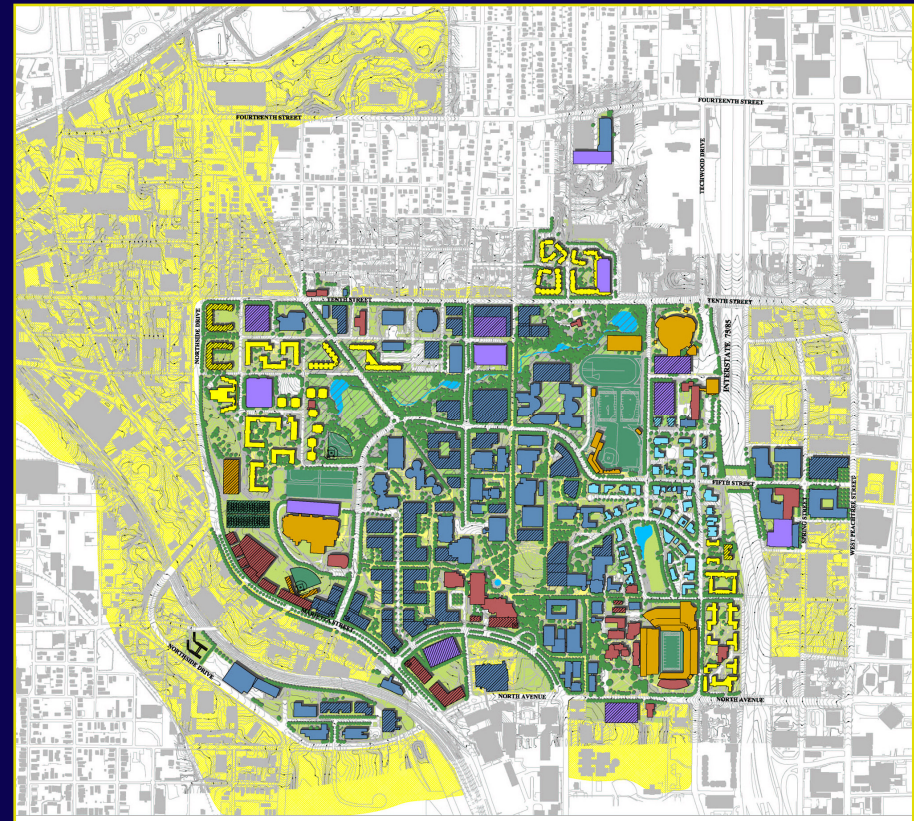


Georgia Tech's Campus Master Plan

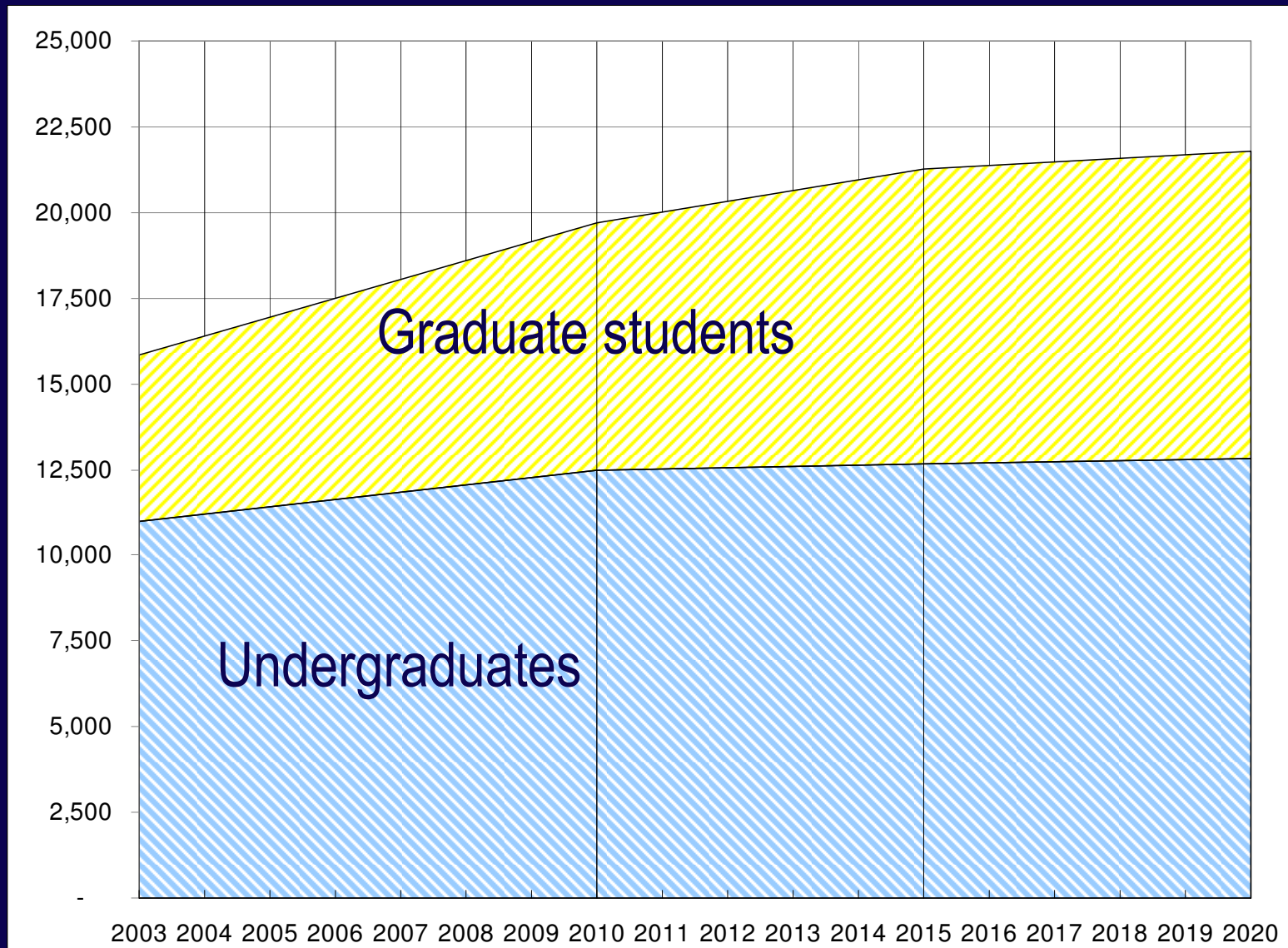
- Defining the technological university of the 21st century calls for a reshaping of our campus:
 - ▷ Expanding its capabilities.
 - ▷ Improving its sustainability and livability.
 - ▷ Increasing its quality, technological sophistication.
- The Campus Master Plan is a living document that guides this process:
 - ▷ A physical response to the Institute's strategic goals.
 - ▷ A framework for communication with neighbors and constituents.

What the Plan addresses

- Facilities to meet growth
- Sustainability
- Accessibility
- The ground plane
- The surrounding area of interest (no residential)
- Collaborative planning with Tech's neighbors

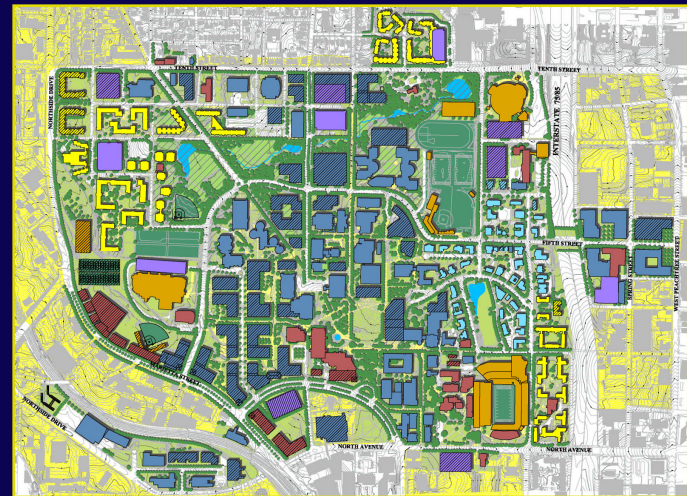


Projected enrollment growth



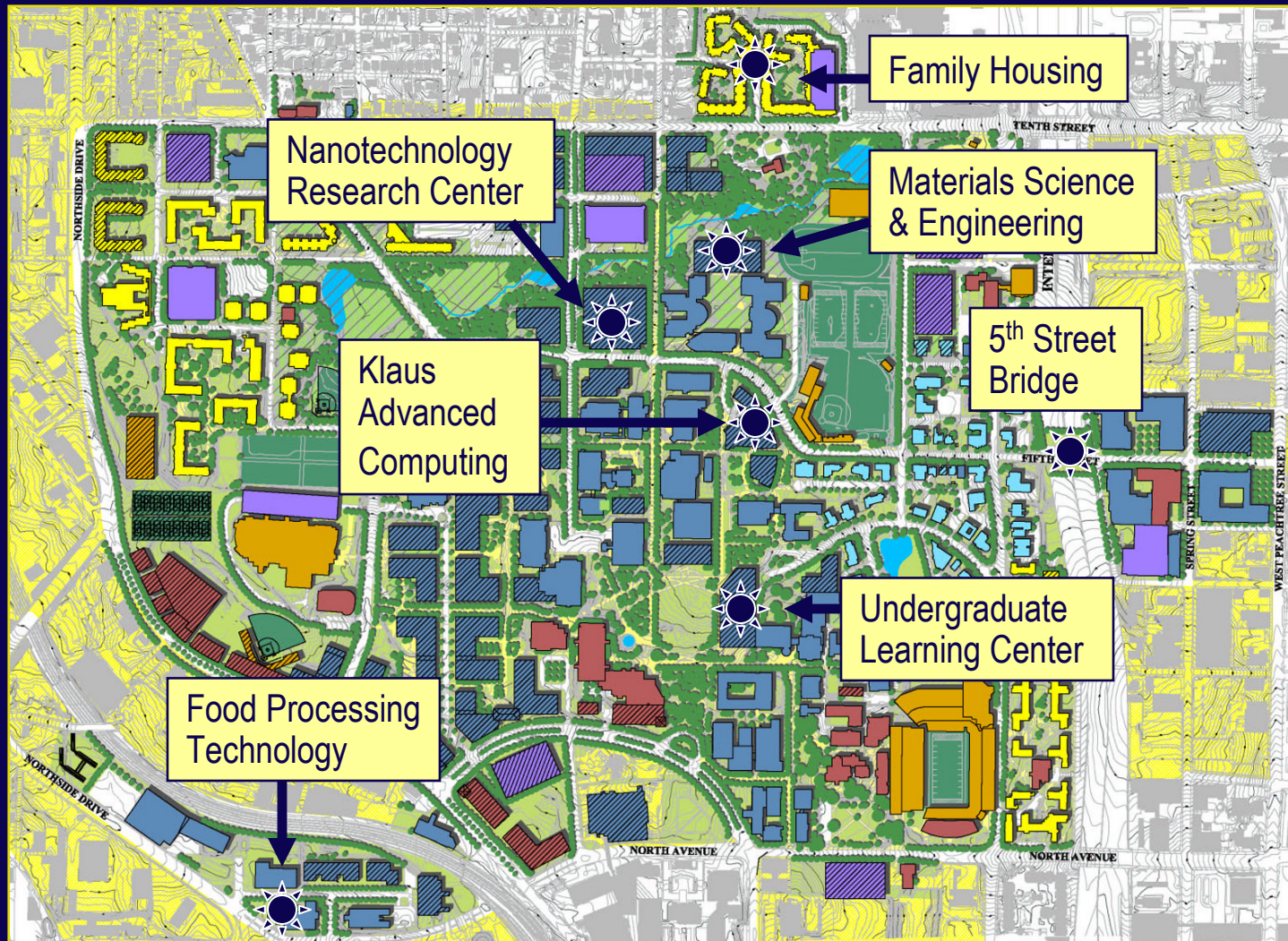
Key concepts of the Plan

- Modest land acquisition
- Pedestrian campus core
- Perimeter parking
- Footprints for future space
- Enhanced landscaping
- Eco-Commons: stormwater management

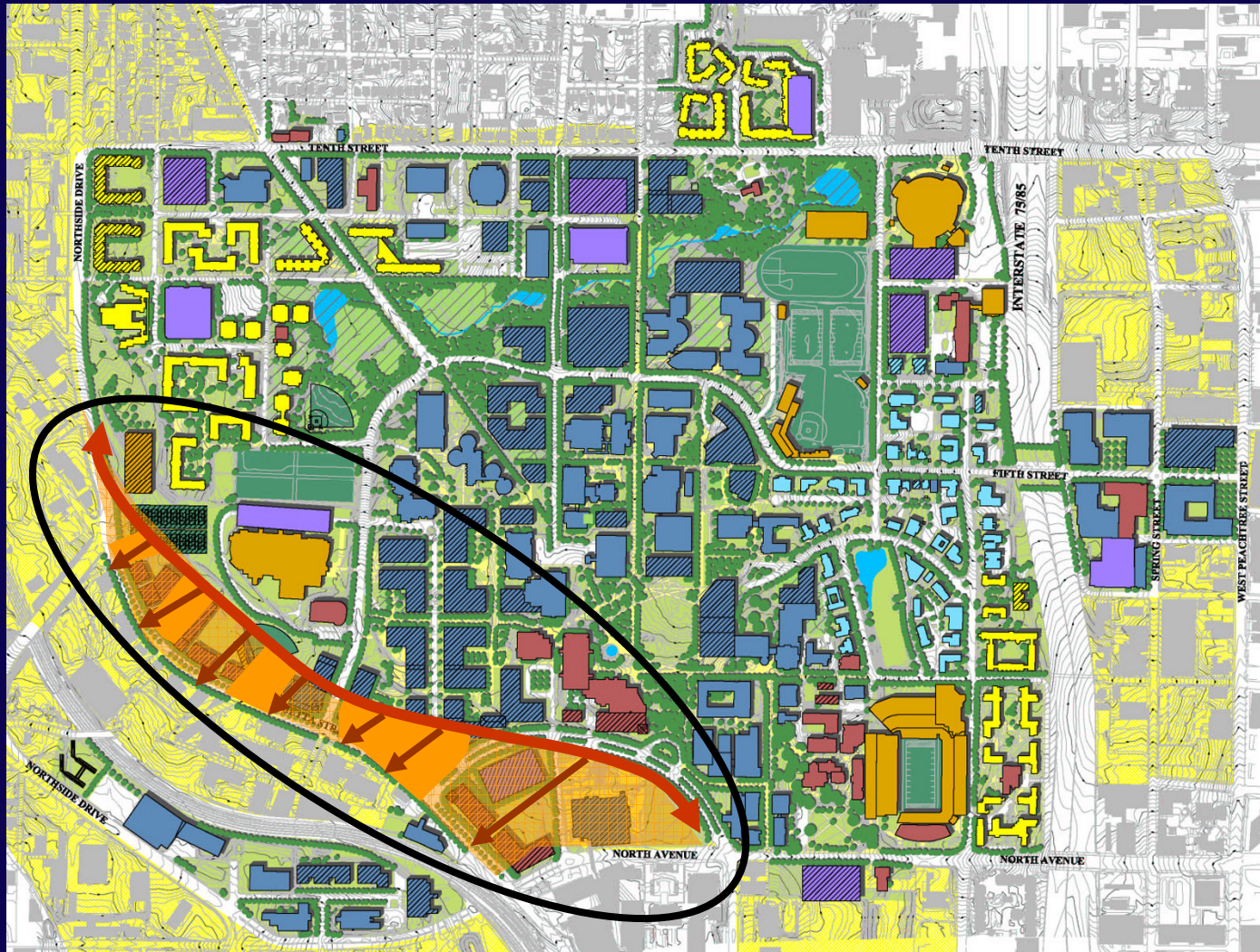


New buildings

Under construction or planned

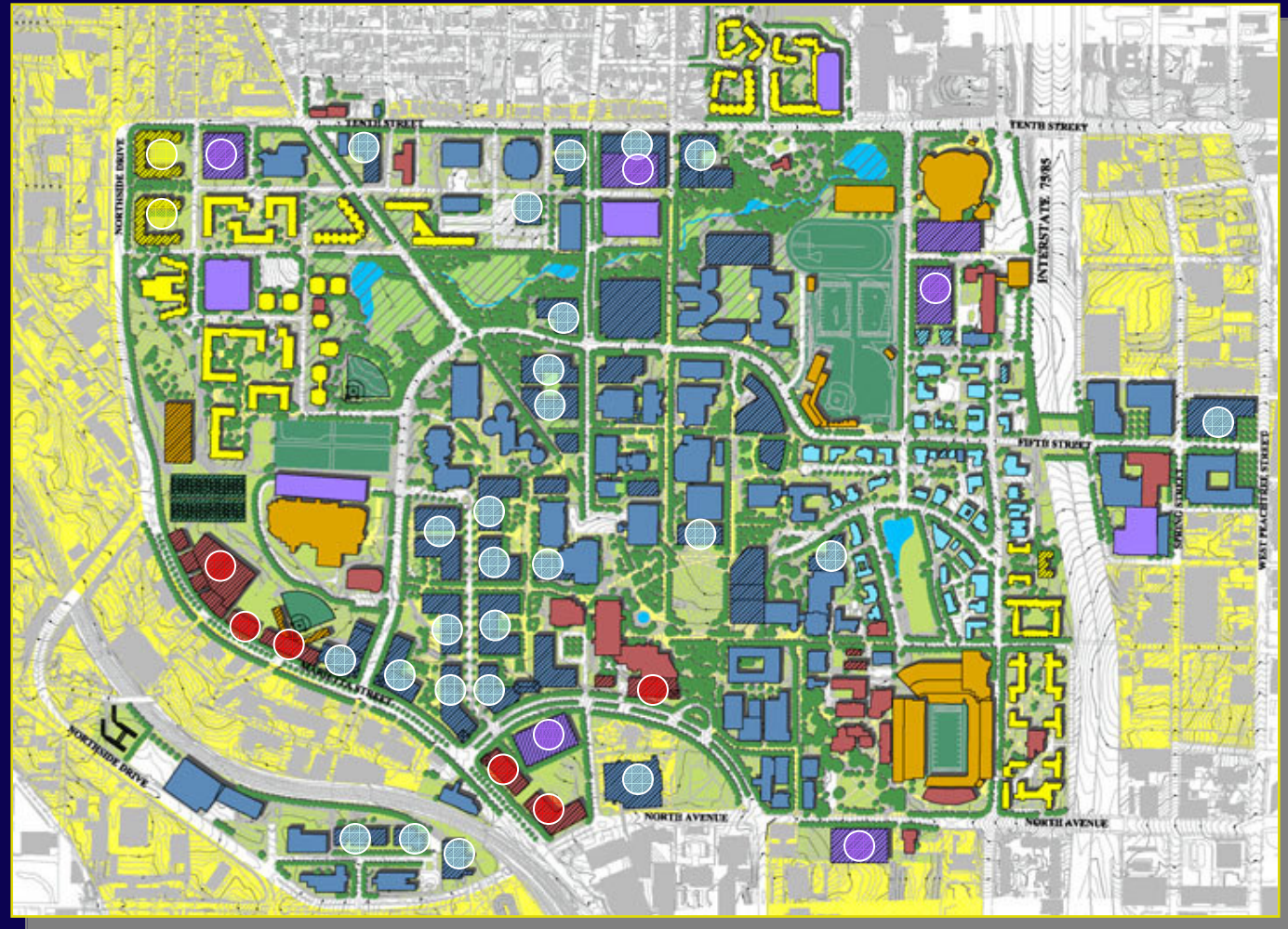


Planned land acquisition

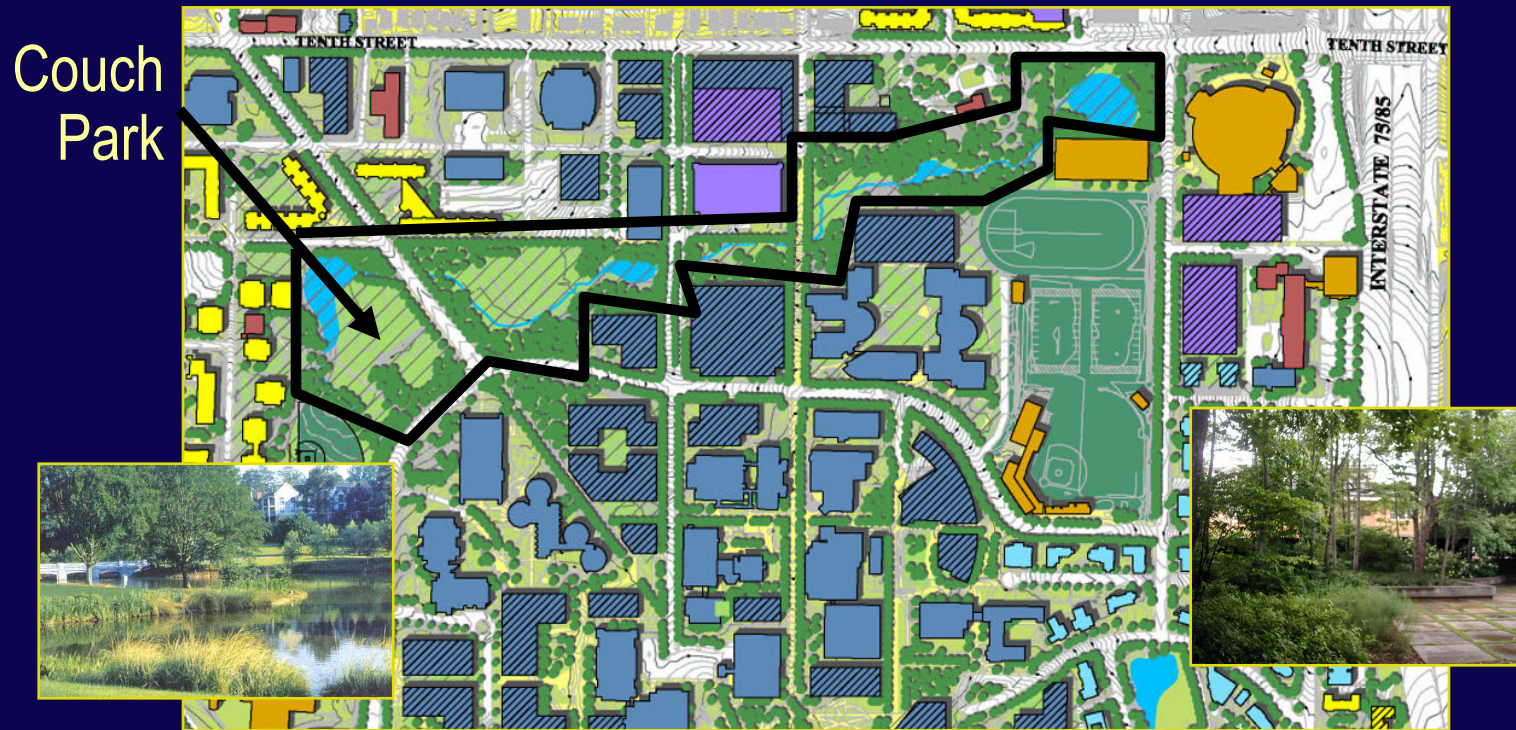


Potential new buildings

Will support 3-3.5 million sq ft of new space.

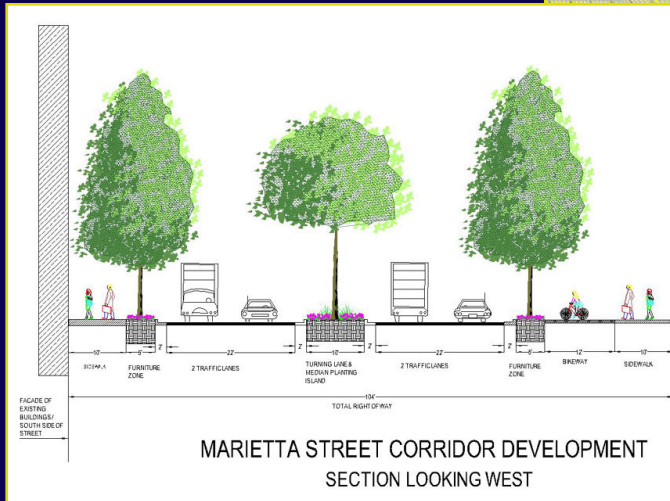


80-acre Eco-Commons

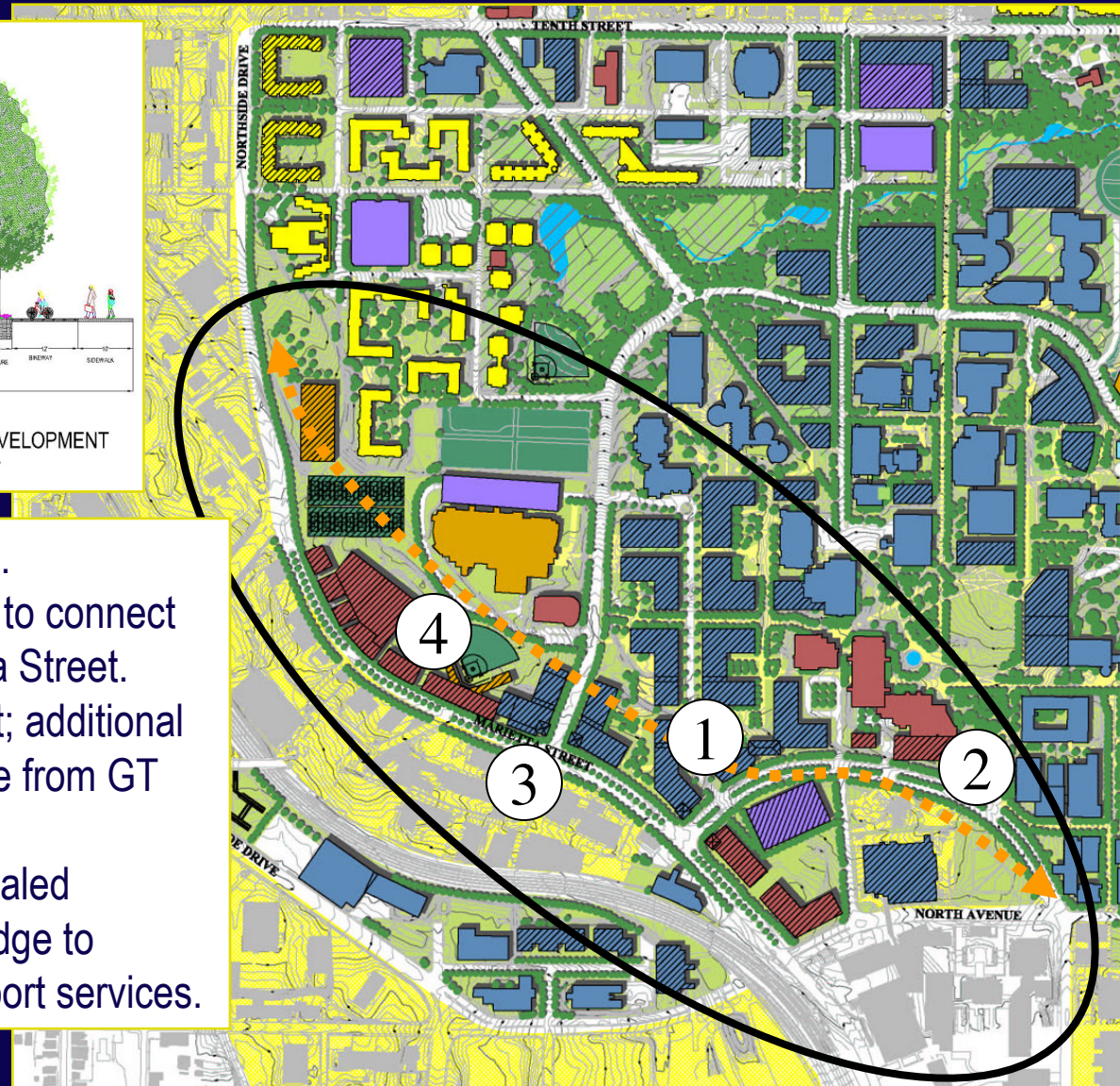


- Green space
- Incorporates Couch Park
- Engineered waterway will replicate original streams, facilitate stormwater management.

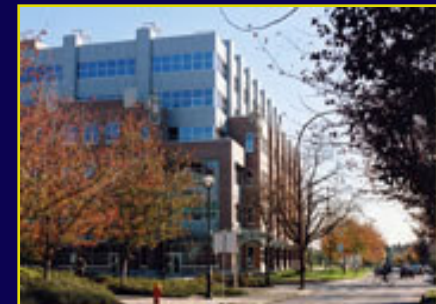
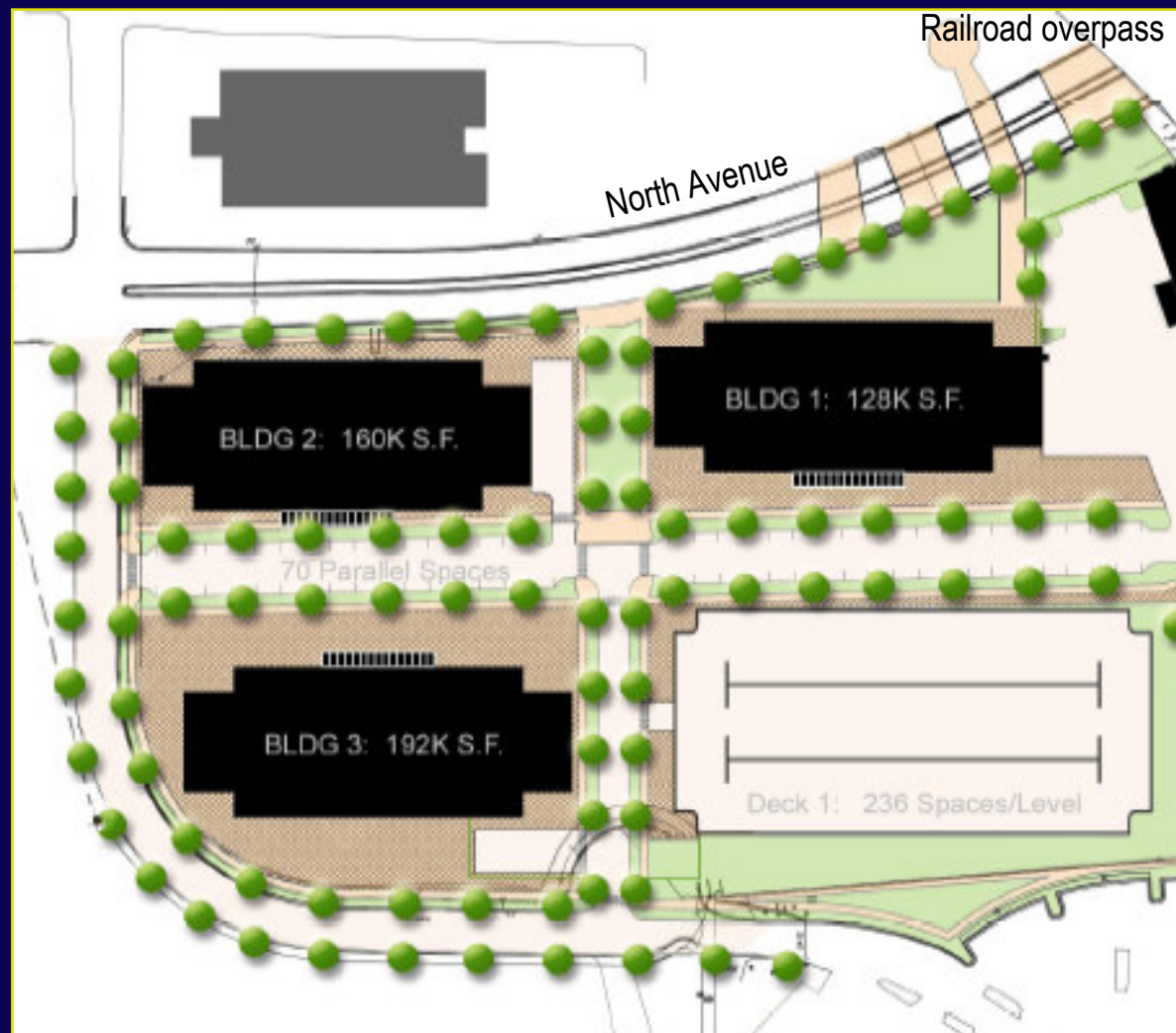
Marietta St – Tech Parkway



1. Remove Tech Parkway.
2. Create new circle drive to connect Lucky Street to Marietta Street.
3. Improve Marietta Street; additional required width will come from GT property.
4. Create appropriately scaled buildings along north edge to accommodate GT support services.



Technology Enterprise Park



Examples of how
it will look.

Discovery Parks,
British Columbia

Campus Master Plan enhances Atlanta

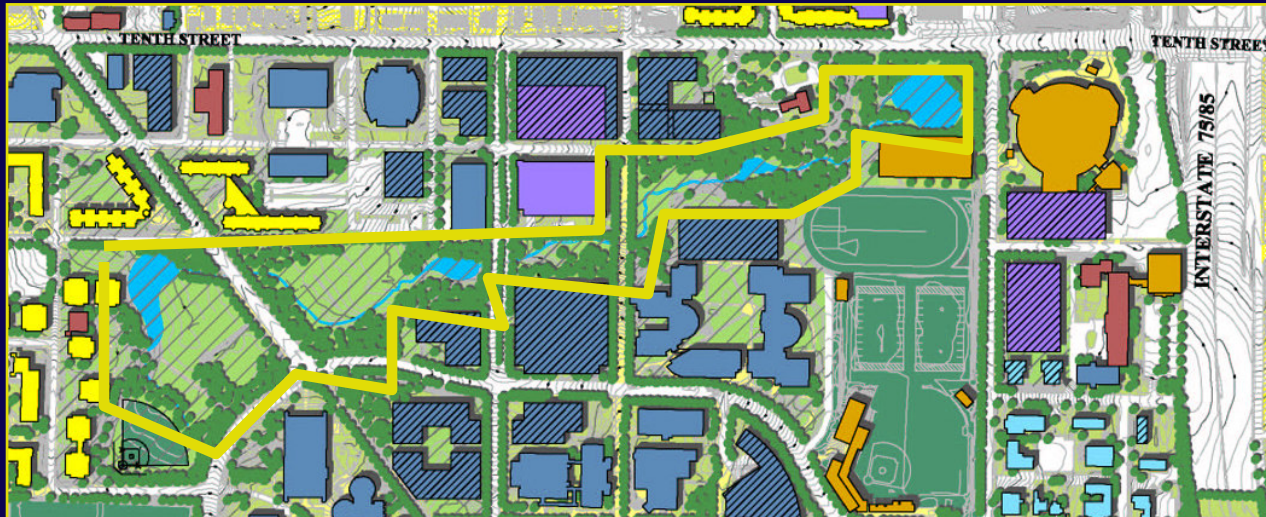
- Creates new jobs.
- Upgrades neighborhoods.
- Improves streetscapes.
- Supports traffic enhancements.
- Addresses environmental issues:
 - ▷ Improves air quality.
 - ▷ Helps with water/sewer problem.
- Aligns with Atlanta's key goals.



Collaborating to achieve these goals:

The Eco-Commons

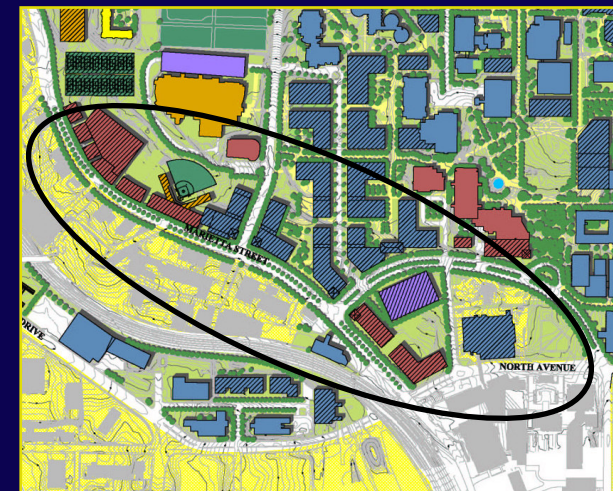
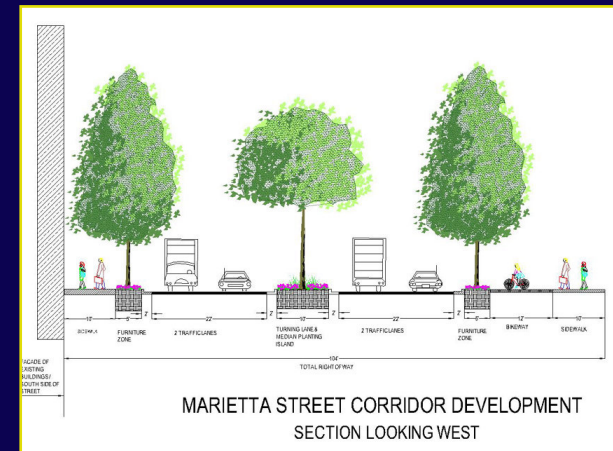
- Couch Park
- Sewer interface
- Sewer rate user-fee considerations
- Collaborative grant opportunities



Collaborating to achieve these goals:

The Marietta Street Corridor

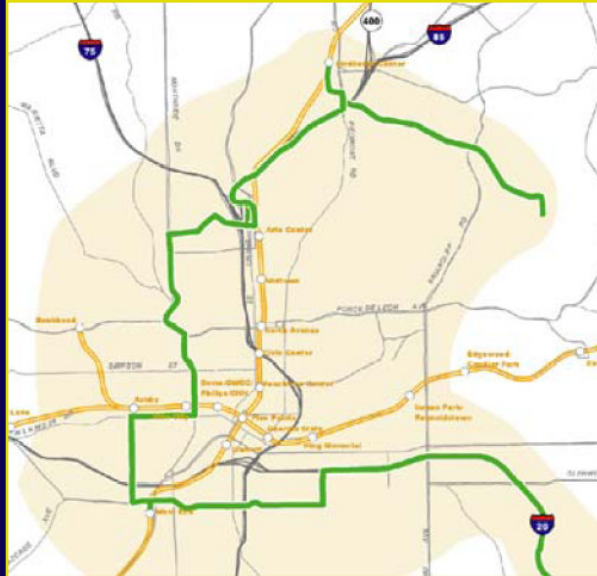
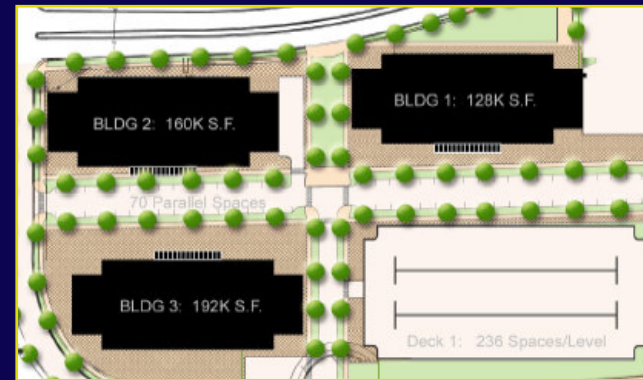
- Right-of-way land swap:
 - City abandons Tech Parkway land to Georgia Tech.
 - Georgia Tech gives City additional right-of-way from land it owns along Marietta Street to use in improving the streetscape.
- Alignment of streets with Northside Drive Study.
- Street redesign and improvements.



Collaborating to achieve these goals:

Technology Enterprise Park

- Utility connections
- Zoning



Transportation

- GT Station on "C Line"
- Connections to Emory, AUC

Ongoing issues

- Processing approved street abandonments:
 - ▷ Holly Street right-of-way
 - ▷ Lambert Street
 - ▷ Ponders Avenue
- Sewer lines through the campus